

Rem PTO

03 DEC 2004

International application No.
PCT/AU03/00696

INTERNATIONAL SEARCH REPORT

| | | |
|--|--|-----------------------|
| A. CLASSIFICATION OF SUBJECT MATTER | | |
| Int. Cl. ⁷ : C12Q 1/68 | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | |
| B. FIELDS SEARCHED | | |
| Minimum documentation searched (classification system followed by classification symbols) | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | |
| Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) CA, WPIDS, MEDLINE: oligonucleotide, solid support or phase, microsphere, bead, array, covalent, capture, attach, immobilise, ligase, ligate, anneal, complement | | |
| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | |
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | WO 01 48244 A2 (GLAXO GROUP LIMITED) 5 July 2001 See in particular pages 14, 53 and claims 20 and 89 | 1-8 |
| X | US 6 030 782 A (Anderson S et al) 29 February 2000 See in particular claims 1 and 12-15 | 1-4, 7, 8 |
| <input checked="" type="checkbox"/> Further documents are listed in the continuation of Box C <input checked="" type="checkbox"/> See patent family annex | | |
| * Special categories of cited documents: | | |
| "A" document defining the general state of the art which is not considered to be of particular relevance | "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention | |
| "E" earlier application or patent but published on or after the international filing date | "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone | |
| "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art | |
| "O" document referring to an oral disclosure, use, exhibition or other means | "&" document member of the same patent family | |
| "P" document published prior to the international filing date but later than the priority date claimed | | |
| Date of the actual completion of the international search 17 July 2003 | Date of mailing of the international search report 23 JUL 2003 | |
| Name and mailing address of the ISA/AU AUSTRALIAN PATENT OFFICE PO BOX 200, WODEN ACT 2606, AUSTRALIA E-mail address: pct@ipaustalia.gov.au Facsimile No. (02) 6285 3929 | Authorized officer TERRY MOORE Telephone No : (02) 6283 2632 | |

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU03/00696

| C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT | | |
|---|---|-----------------------|
| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
| X | Rogers Y-H et al (1999) "Immobilization of Oligonucleotides onto a Glass Support via Disulphide Bonds: A Method of Preparation of DNA Microarrays" Analytical Biochemistry 266, pages 23-30 See whole document | 1, 2, 4, 7, 8 |
| X | Zhang Y et al (1991) "Single-base Mutational Analysis of Cancer and Genetic Diseases Using Membrane Bound Modified Oligonucleotides" Nucl Acids Res 19(14), pages 3929-3933 See whole document | 1, 2, 4, 7, 8 |

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU03/00696

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

| Patent Document Cited in Search Report | | | | Patent Family Member | | | |
|---|------------|----|------------|----------------------|---------|----|----------|
| WO | 2001 48244 | AU | 2001 24500 | EP | 1272662 | | |
| US | 6 030 782 | AU | 65402/98 | EP | 910670 | WO | 98 39481 |
| END OF ANNEX | | | | | | | |